

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
 Data File : BG064793.D
 Acq On : 17 Nov 2025 20:48
 Operator : RC/JU
 Sample : Q3647-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-212

Quant Time: Nov 18 00:23:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

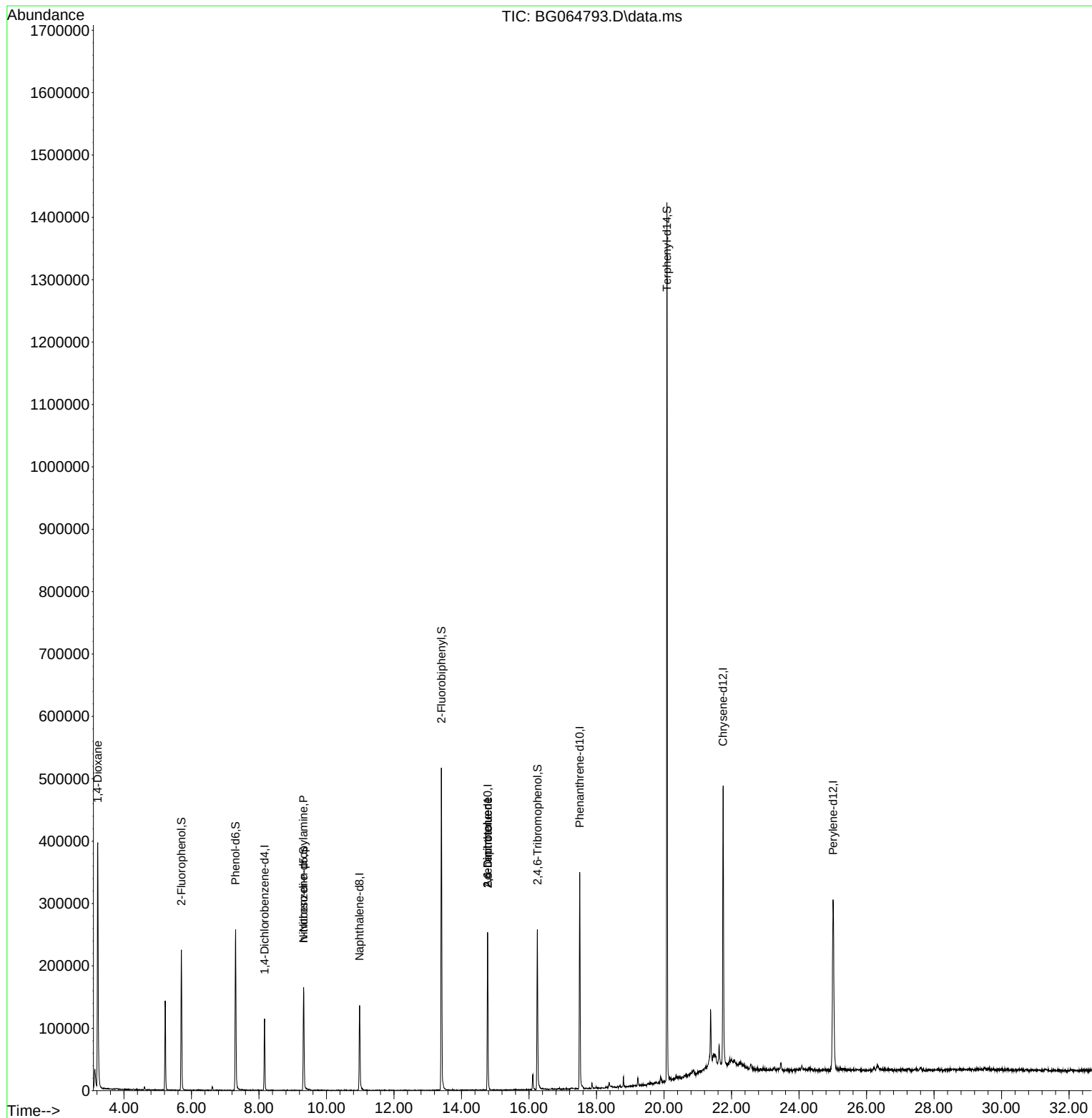
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	33238	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	126685	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	100876	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	249891	20.000	ng	0.00
76) Chrysene-d12	21.748	240	330540	20.000	ng	0.00
86) Perylene-d12	25.009	264	345289	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	98929	51.974	ng	0.00
7) Phenol-d6	7.306	99	151943	60.018	ng	0.00
23) Nitrobenzene-d5	9.321	82	102843	40.138	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	70342	35.754	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	313298	43.336	ng	0.00
79) Terphenyl-d14	20.085	244	798256	47.505	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.217	88	3883	5.269	ng	# 1
19) n-Nitroso-di-n-propyla...	9.321	70	13301	7.770	ng	# 61
51) 2,6-Dinitrotoluene	14.774	165	13226	8.626	ng	# 21
57) 2,4-Dinitrotoluene	14.774	165	13227	5.754	ng	# 24

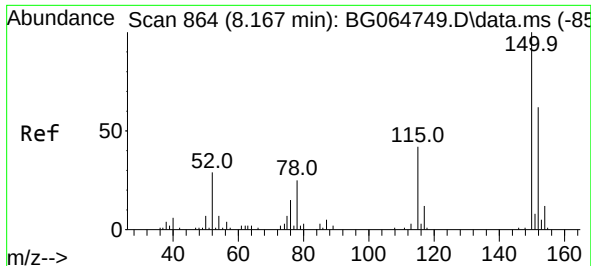
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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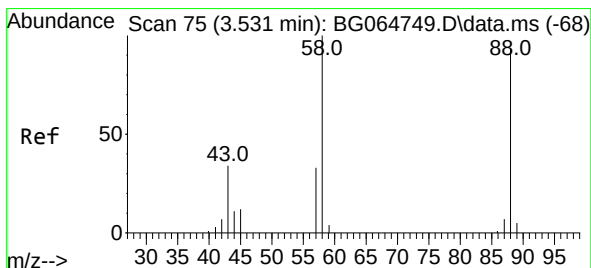
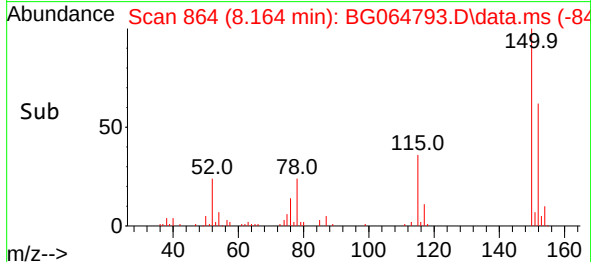
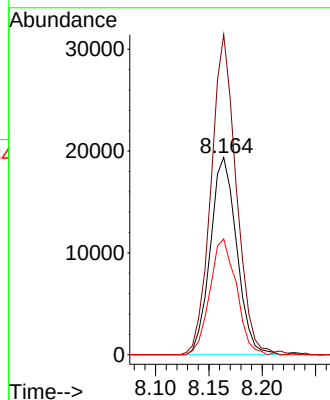
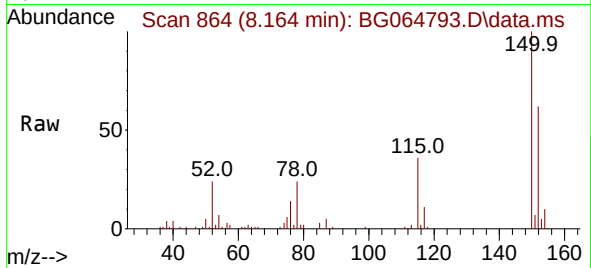




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.164 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: BG064793.D
 Acq: 17 Nov 2025 20:48

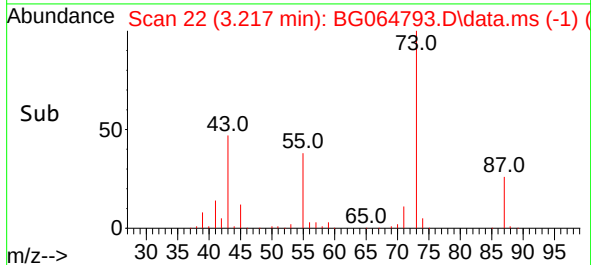
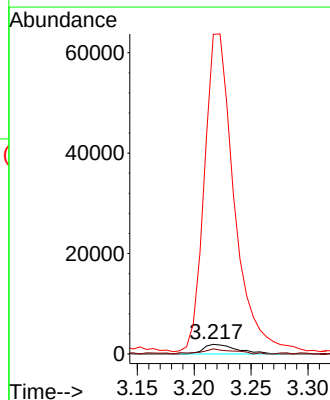
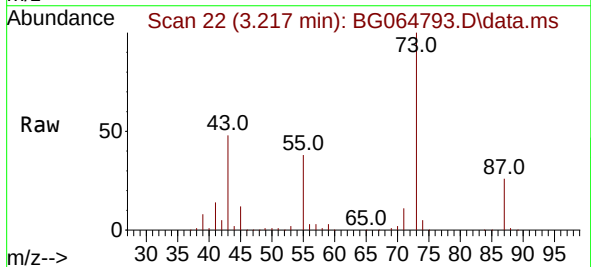
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-212

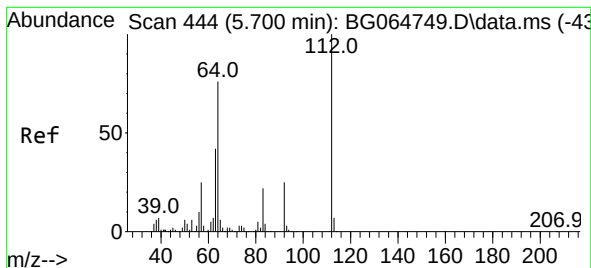
Tgt Ion:152 Resp: 33238
 Ion Ratio Lower Upper
 152 100
 150 162.2 129.2 193.8
 115 58.7 53.7 80.5



#2
 1,4-Dioxane
 Concen: 5.269 ng
 RT: 3.217 min Scan# 22
 Delta R.T. -0.315 min
 Lab File: BG064793.D
 Acq: 17 Nov 2025 20:48

Tgt Ion: 88 Resp: 3883
 Ion Ratio Lower Upper
 88 100
 58 53.0 84.6 126.8#
 43 2974.5 30.0 45.0#

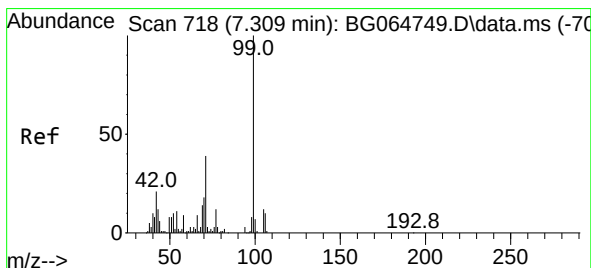
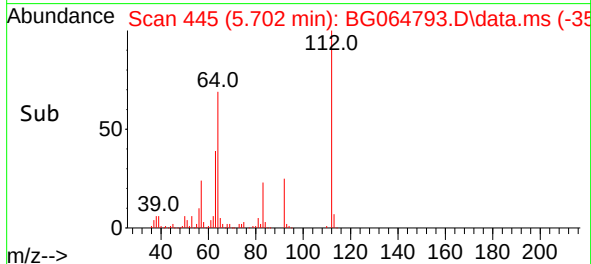
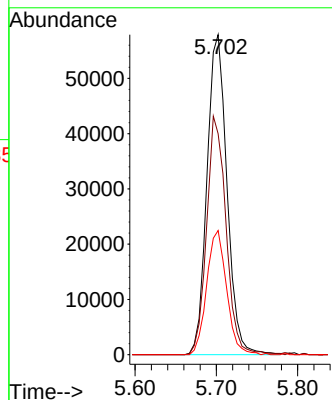
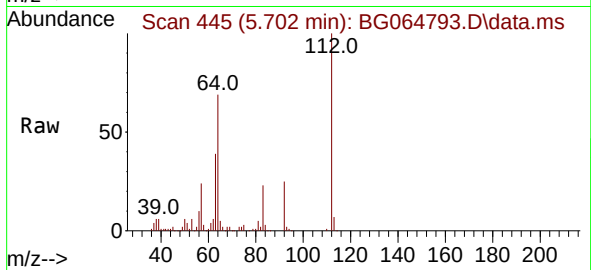




#5
2-Fluorophenol
Concen: 51.974 ng
RT: 5.702 min Scan# 444
Delta R.T. 0.003 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

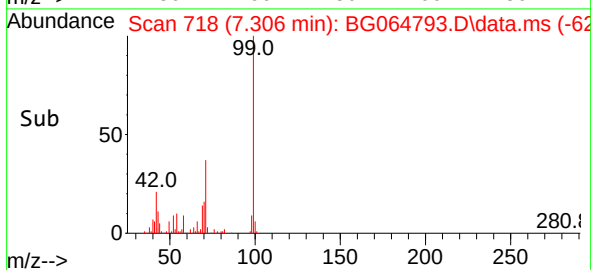
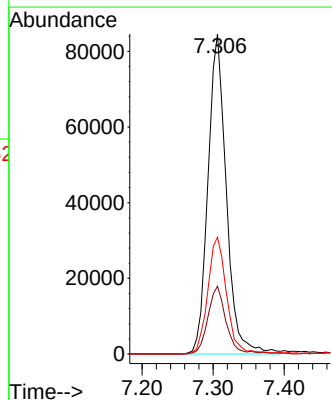
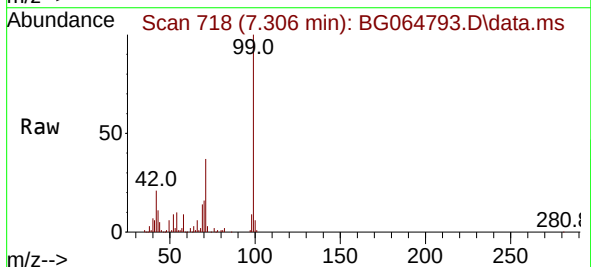
Instrument :
BNA_G
ClientSampleId :
VNJ-212

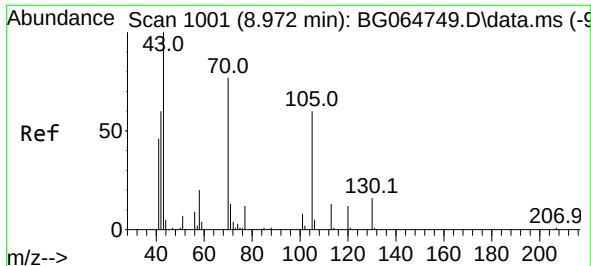
Tgt Ion:112 Resp: 98929
Ion Ratio Lower Upper
112 100
64 69.0 61.0 91.4
63 38.8 33.3 49.9



#7
Phenol-d6
Concen: 60.018 ng
RT: 7.306 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

Tgt Ion: 99 Resp: 151943
Ion Ratio Lower Upper
99 100
42 21.1 16.8 25.2
71 36.5 31.1 46.7

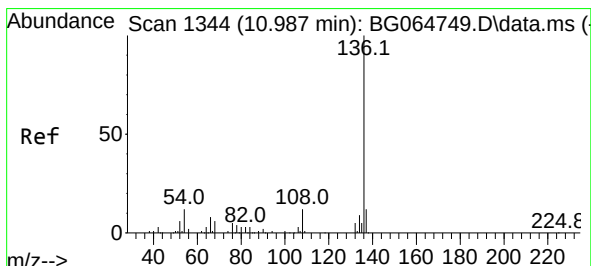
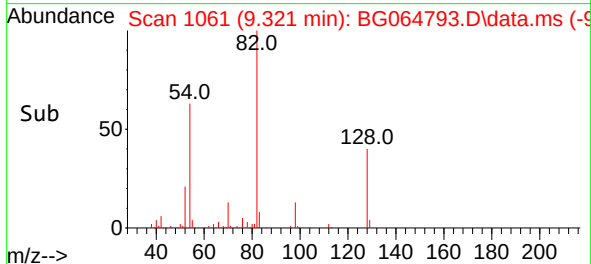
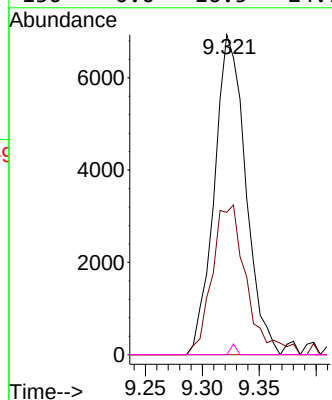
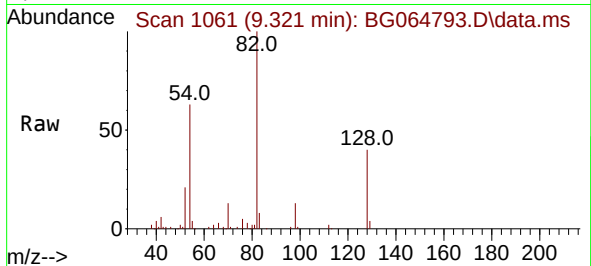




#19
n-Nitroso-di-n-propylamine
Concen: 7.770 ng
RT: 9.321 min Scan# 1061
Delta R.T. 0.349 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

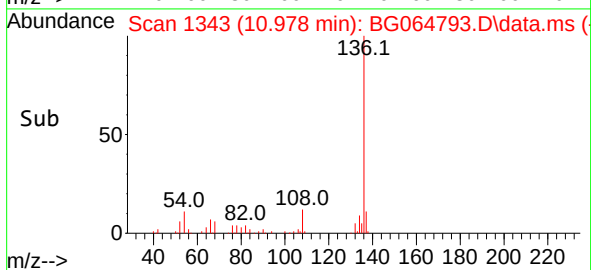
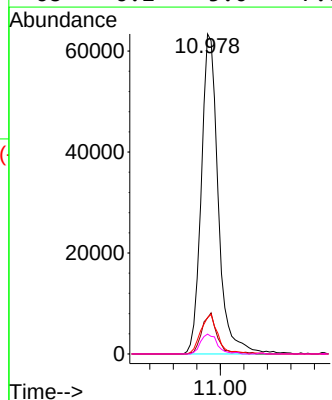
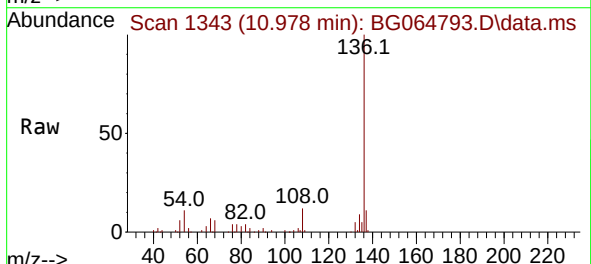
Instrument :
BNA_G
ClientSampleId :
VNJ-212

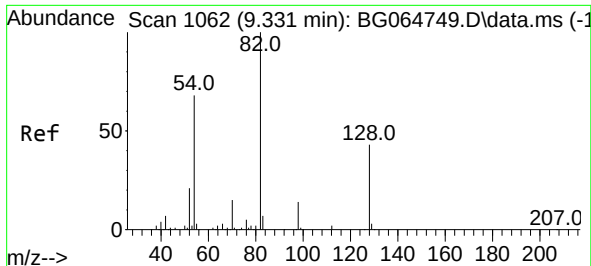
Tgt Ion: 70	Resp:	13301
Ion Ratio	Lower	Upper
70	100	
42	44.5	62.6 93.8#
101	0.0	8.0 12.0#
130	0.0	16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1343
Delta R.T. -0.009 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

Tgt Ion: 136	Resp:	126685
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.3 13.9
54	11.4	9.3 13.9
68	6.2	5.0 7.6

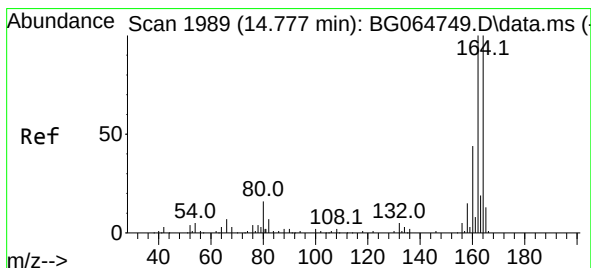
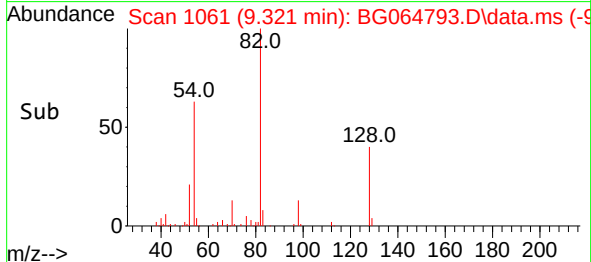
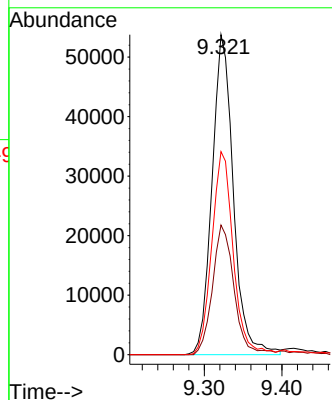
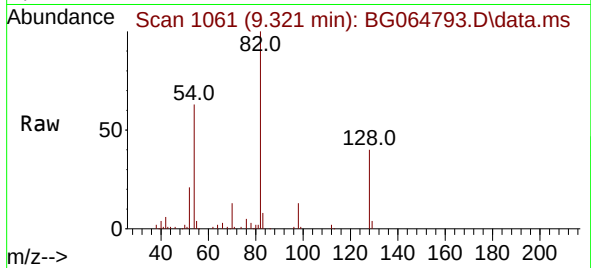




#23
Nitrobenzene-d5
Concen: 40.138 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.009 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

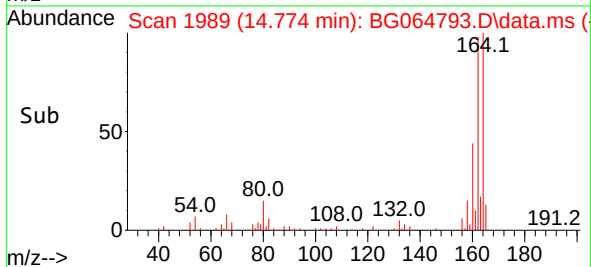
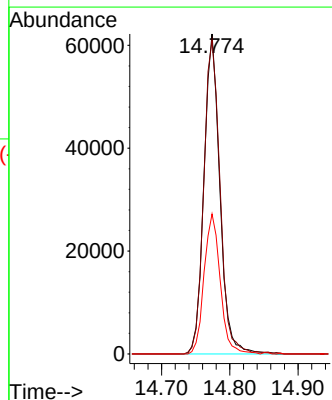
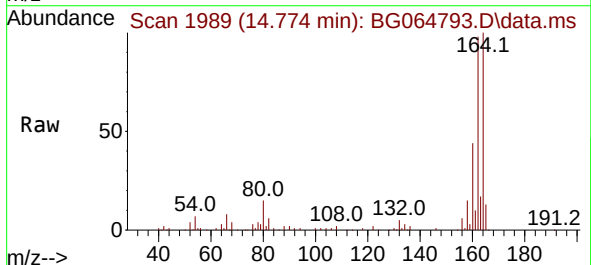
Instrument :
BNA_G
ClientSampleId :
VNJ-212

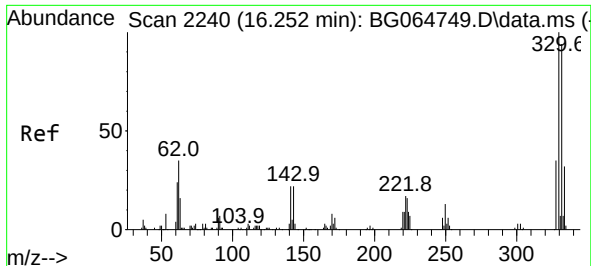
Tgt Ion: 82 Resp: 102843
Ion Ratio Lower Upper
82 100
128 40.5 34.1 51.1
54 63.5 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

Tgt Ion: 164 Resp: 100876
Ion Ratio Lower Upper
164 100
162 98.0 79.8 119.6
160 43.8 34.9 52.3

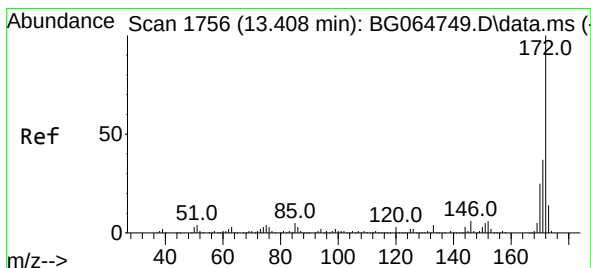
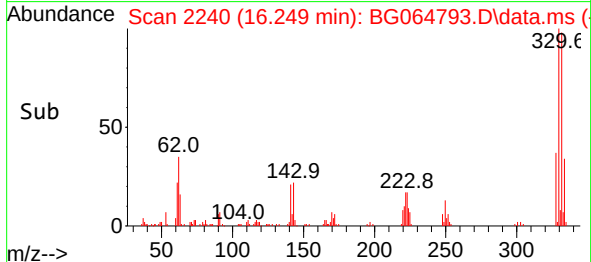
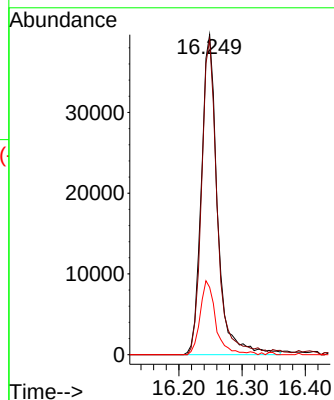
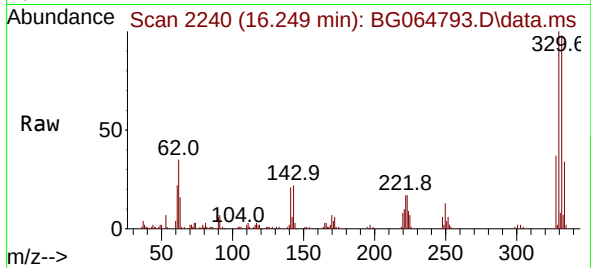




#42
2,4,6-Tribromophenol
Concen: 35.754 ng
RT: 16.249 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

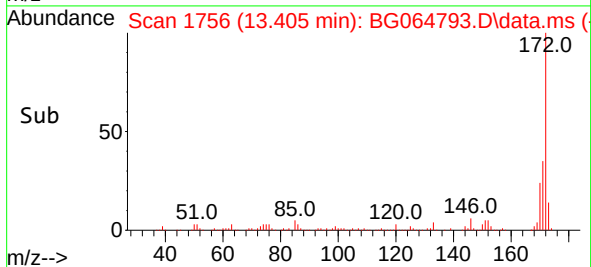
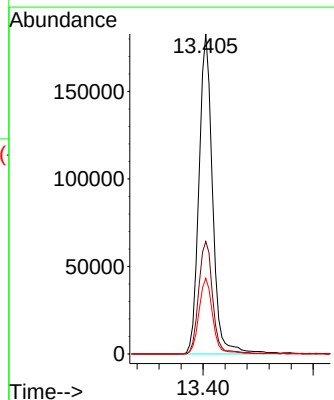
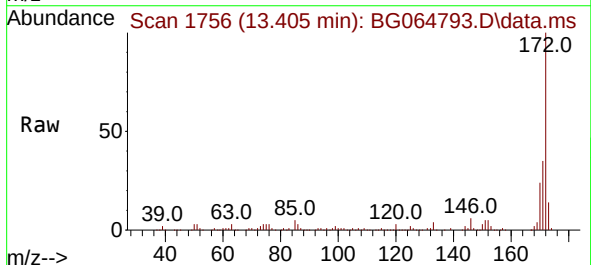
Instrument :
BNA_G
ClientSampleId :
VNJ-212

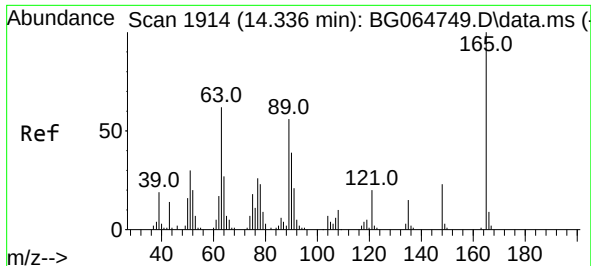
Tgt Ion:330 Resp: 70342
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 22.6 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 43.336 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

Tgt Ion:172 Resp: 313298
Ion Ratio Lower Upper
172 100
171 35.2 29.9 44.9
170 23.6 19.8 29.6





#51

2,6-Dinitrotoluene

Concen: 8.626 ng

RT: 14.774 min Scan# 1989

Delta R.T. 0.437 min

Lab File: BG064793.D

Acq: 17 Nov 2025 20:48

Instrument :

BNA_G

ClientSampleId :

VNJ-212

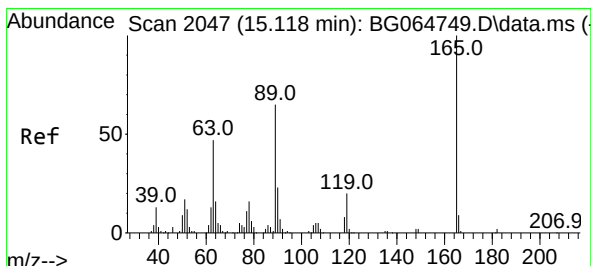
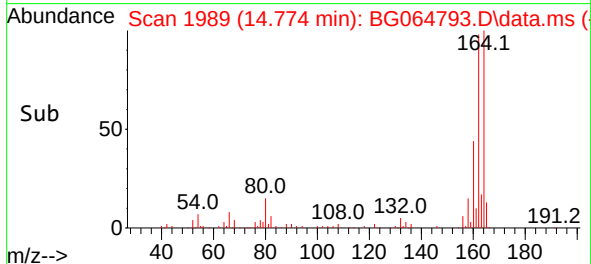
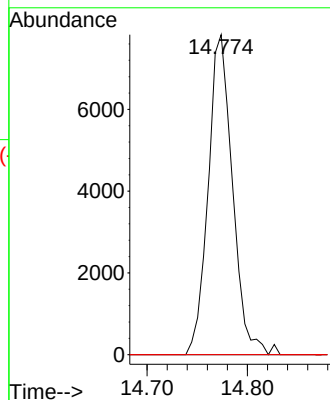
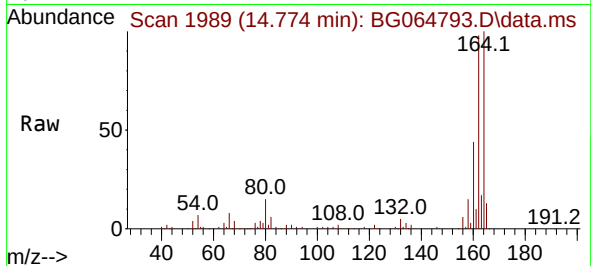
Tgt Ion:165 Resp: 13226

Ion Ratio Lower Upper

165 100

63 0.0 49.8 74.8#

89 0.0 45.0 67.4#



#57

2,4-Dinitrotoluene

Concen: 5.754 ng

RT: 14.774 min Scan# 1989

Delta R.T. -0.344 min

Lab File: BG064793.D

Acq: 17 Nov 2025 20:48

Tgt Ion:165 Resp: 13227

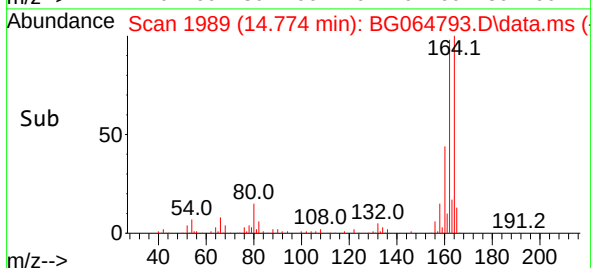
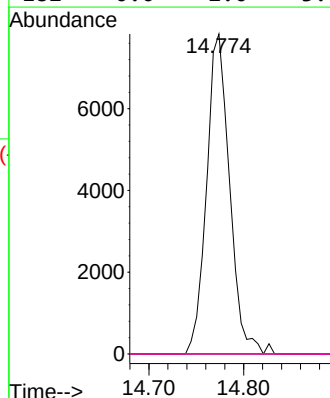
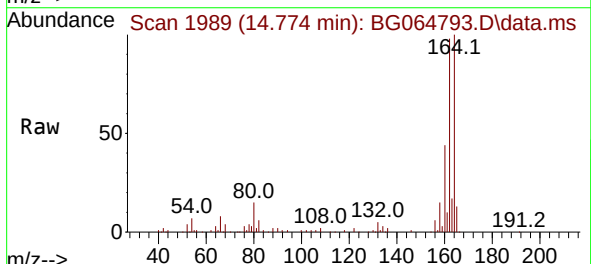
Ion Ratio Lower Upper

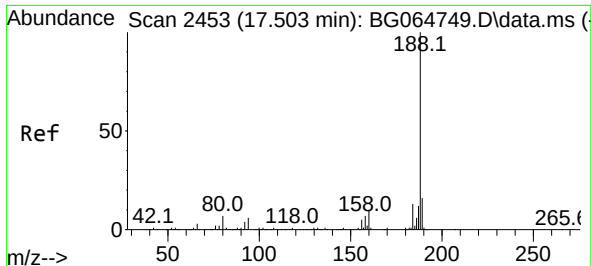
165 100

63 0.0 37.8 56.6#

89 0.0 51.6 77.4#

182 0.0 2.0 3.0#

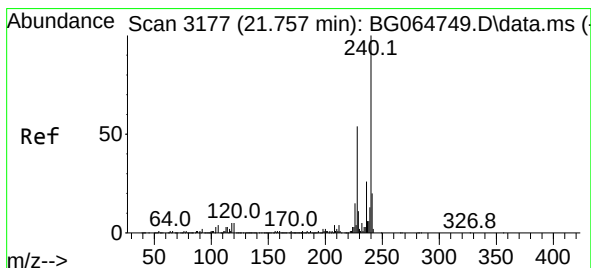
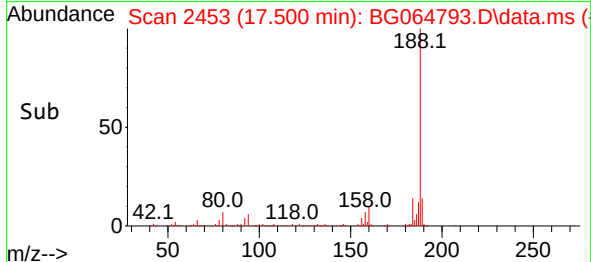
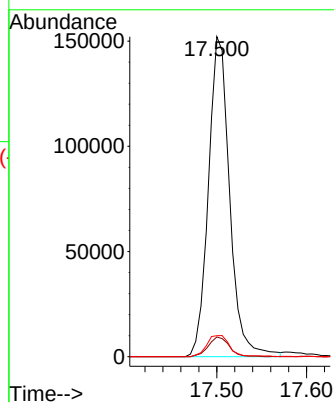
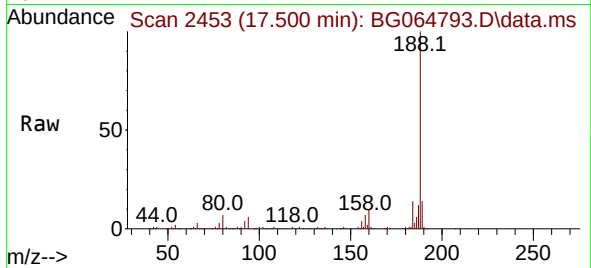




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

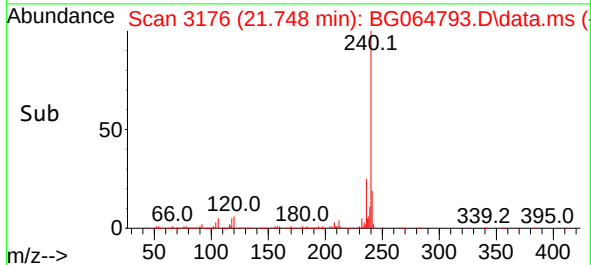
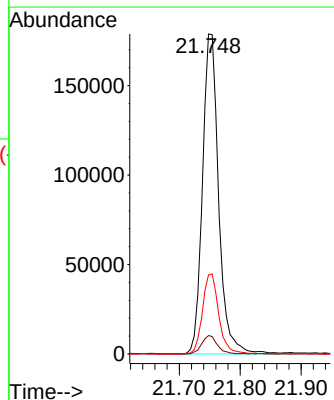
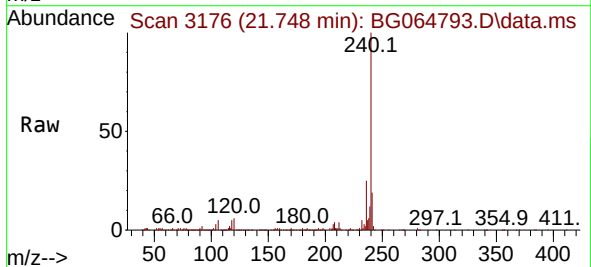
Instrument :
BNA_G
ClientSampleId :
VNJ-212

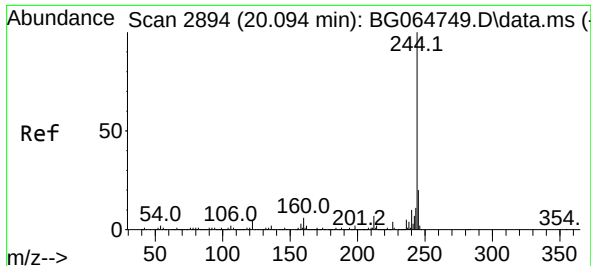
Tgt Ion:188 Resp: 249891
Ion Ratio Lower Upper
188 100
94 6.1 4.7 7.1
80 6.6 5.4 8.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

Tgt Ion:240 Resp: 330540
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.4
236 24.7 20.8 31.2

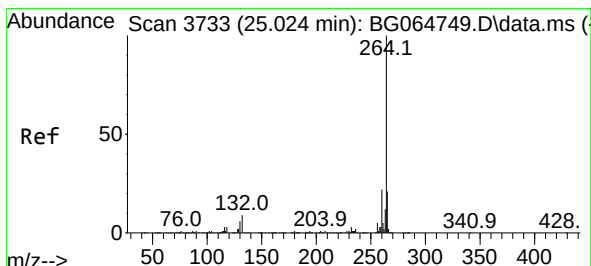
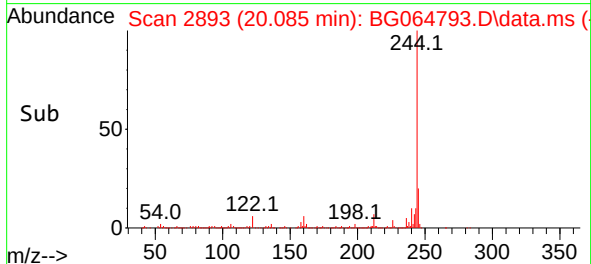
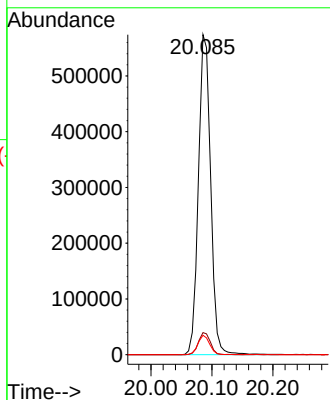
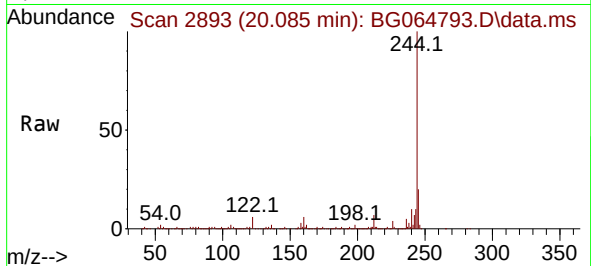




#79
Terphenyl-d14
Concen: 47.505 ng
RT: 20.085 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

Instrument :
BNA_G
ClientSampleId :
VNJ-212

Tgt Ion:244 Resp: 798256
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 6.1 4.3 6.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064793.D
Acq: 17 Nov 2025 20:48

Tgt Ion:264 Resp: 345289
Ion Ratio Lower Upper
264 100
260 25.1 17.2 25.8
265 19.8 16.6 25.0

